Diaphragm Switch

Features

- Stripped and housed versions available
- High accuracy
- Ideal for pressure or vacuum
- Easy setpoint adjustment
- NEMA 4 (Housed Models)
- Up to 3 setpoints available in one switch

Applications

- Pump & compressor monitoring
- Waste management
- Engine monitoring
- Footory outomotiv
- Engine monitorir
 Machine tools
 - chine tools
- Hydraulic power unitsMedical equipment

Food & beverage

- Factory automation
- Metal working

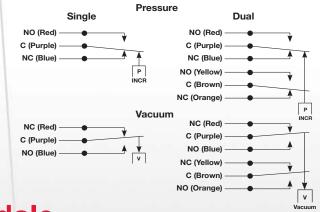


General Specifications*

Accuracy:	$\pm 0.5\%$ of the adjustable range		
Switch: Type: Rating:	Single pole double throw (SPDT) Snap Action; single or dual circuit		
	10 amps @ 125/250 VAC; 3 amps @ 480 VAC (Class A or H limit switch). Consult sales drawing for ratings of optional limit switches.		
Wetted Parts: Process Fitting:	304 stainless steel		
Diaphragm:	17-7 PH stainless steel		
Enclosure:	Anodized aluminum (housed models)		
Electrical Connection:	Free leads approximately 18" long, #16 AWG and 1/2" NPT conduit connection for housed models		
Enclosure Ratings:	Housed Models: NEMA 4 Stripped Models: NEMA 1		
Pressure Connection:	1/4" NPT Female		
Approvals: UL (optional):	Stripped (D1S and D2S) models may be ordered as UL Recognized components (UR) on request. Housed (D1H and D2H) models may be ordered as UL Listed on request (UL File No. E42816).		

Approvals (cont.): CSA (optional):	All models may be ordered as CSA listed under Class 3231 02, File LR22355 on request.		
PED (European):	Compliant to PED 97/23/EC		
Temperature Range: Operating:	-65° to $+165^{\circ}$ F (-54° to $+74^{\circ}$ C)		
Storage:	-65° to +200°F (-54° to 93°C)		
Adjustment Instructions: Pressure:	Turn adjustment screw counterclockwise to raise actuation point.		
Vacuum:	Turn adjustment screw clockwise to increase setpoint (higher vacuum).		
Options:	 NEMA 4X enclosure (housed models only) Cleaned for oxygen service Factory pre-set 		
Shipping Weight:	Stripped Versions: 1.5 lbs. approximate Housed Versions: 1.75 lbs. approximate		

Wiring Diagram



* See product configurator for additional options.

Wiring Code

Lead	Circuit #1		Circuit #2	
	Pressure	Vacuum	Pressure	Vacuum
Normally Closed	Blue	Red	Orange	Yellow
Common	Purple	Purple	Brown	Brown
Normally Open	Red	Blue	Yellow	Orange

Barksdale

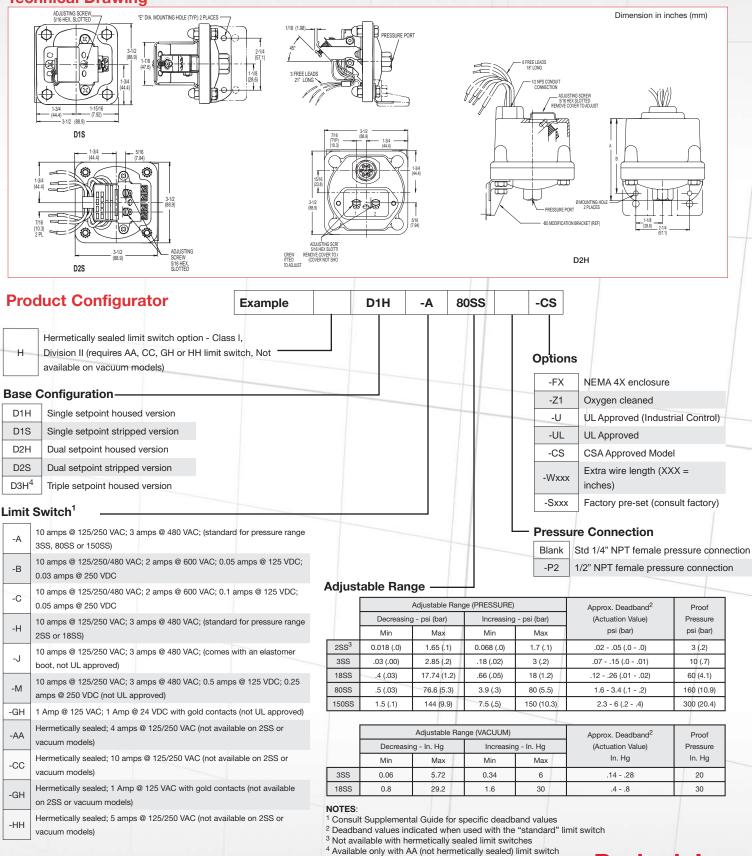
CRANE A Subsidiary of Crane Co.

D1S, D2S, D1H, D2H Series

Diaphragm Switch

D1S, D2S, D1H, D2H Series

Technical Drawing



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